

High-Resolution Separation of the Human Amyloid A β peptides

Application

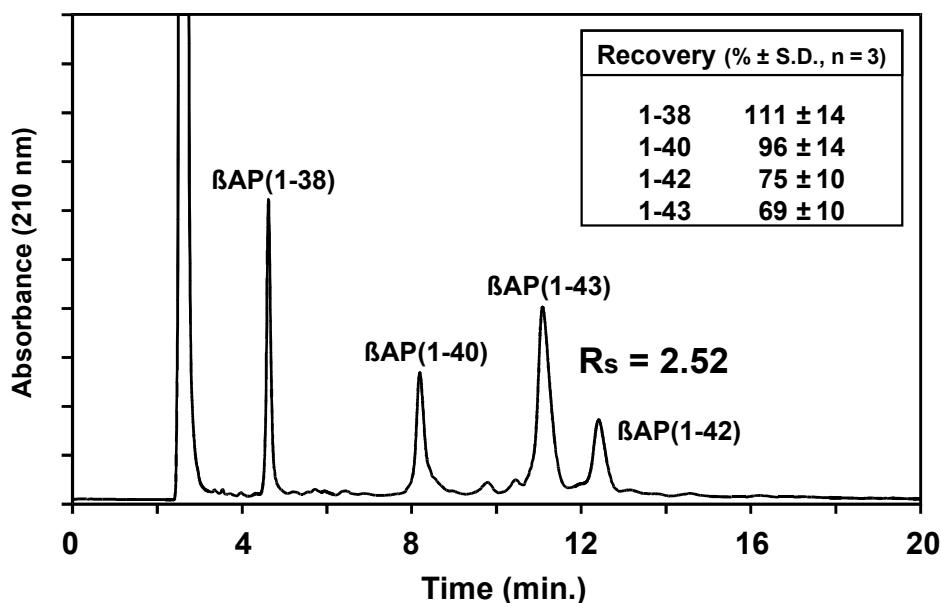
Biochemical

Robert Ricker

This chromatogram shows the complete separation of β -amyloid peptides (β AP) using Agilent ZORBAX 300 SB-C8 column. The inset box shows the high recovery following the HPLC separation, as determined by direct protein assay of collected peaks. The separation of these peptides was not possible at column temperatures below 80°C.

Highlights

- *Sterically-protected bonded phases (StableBond) permit use of low pH mobile phases, even at high temperature.*
- *Use of elevated column temperature can dramatically improve separation and recoveries of difficult samples.*
- *Note the greater retention of β AP(1-42) than β AP(1-43).*



Conditions: ZORBAX 300 SB-C8, 4.6 mm ID x 250 mm, Agilent Part No. 880995-906
Mobile Phase: 80°C; 0.1% TFA in 30.5% acetonitrile / 69.5% water
2.5 μ g each peptide in 20 μ L 6 M urea / 5% HOAc
Flow: 1 mL/min.



Agilent Technologies

*Robert Ricker is an application chemist
based at Agilent Technologies, Wilmington,
Delaware.*

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